

19970912.ba v01_n667.bam.970912 v01_n668.bam.970912

>From ???@??? Fri Sep 12 01:17:00 1997
Message-Id: <199709120502.AAA15537@sco.theporch.com>
Date: Fri, 12 Sep 1997 00:02:07 CDT
Subject: BOATANCHORS digest 1667

BOATANCHORS Digest 1667

Topics covered in this issue include:

- 1) Hammarlund clock covers (again...)
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 2) GSB100-VF0
by FRANKK6NL@aol.com
- 3) Cleaning radios and tubes
by Ben Bradley <bradley@norcross.mcs.slb.com>
- 4) 390/390A most common componet /tube failures
by laffitte@prtc.net (laffitte)
- 5) F.S. I-177 Tube Tester
by Ed Tanton <n4xy@bellsouth.net>
- 6) WTB: NCX-A Power Supply
by nielw@ix.netcom.com (Niel Wiegand)
- 7) Hammarlund parts wanted
by RS2BK@aol.com
- 8) Minor correction on cleaning Boatanchors
by "Ornitz, Barry L" <ornitz@eastman.com>
- 9) Litz Wire Question.
by "Allan Fritsche" <fritsche@classic.msn.com>
- 10) SP-200 S- Meter
by "John Lockhart" <jlockj@minn.net>
- 11) Re: Litz Wire Question.
by "Chuck (Jack) Hawley" <c-hawley@uiuc.edu>
- 12) Re: C-W Xtals extends offer!
by tomrice@netcom.com (Tom R. Rice)
- 13) Vibroplex
by Glenn Finerman <glennfin@mjet.com>
- 14) Sig Gen, Counter, Misc FS
by don merz <71333.144@compuserve.com>
- 15) F.S. Hitachi LCD Portable 'Scope
by Ed Tanton <n4xy@bellsouth.net>

Date: 11 Sep 1997 15:25:31 -0500
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: Hammarlund clock covers (again...)

Message-ID: <1997Sep11.152533-0500@spike.vuse.vanderbilt.edu>

A friend of mine mentioned that he had an HQ-180, and that it was in great shape except the cover on the clock was mashed real good. Having a mind like a steel sieve, I immediately recalled that some chappie was reproducing these items, and promised that I would forward the source to this guy.

Only to find that I have wholly forgotten who was doing this. I checked out the R & R paint page, which has entire repro clocks, but no covers :(.

Any hints? Or was this a dream after eating a belly-bomb burrito?

73 A. B. Bonds

Date: Thu, 11 Sep 1997 16:38:43 -0400 (EDT)
From: FRANKK6NL@aol.com
To: boatanchors@theporch.com (multiplerecipientsoflist)
Subject: GSB100-VFO
Message-ID: <970911163610_168554258@emout05.mail.aol.com>

Had a GSB 100 long ago .It was a very good TX indeed.
It was my understanding then that the very stable VFO used in it was a military surplus unit and when those units were no longer available that was QRT for the GSB100 manufacture. Does anyone happen to know in what piece of military gear that such a VFO was used or is the story apochryphal.

73 to all, K6NL

Date: Thu, 11 Sep 1997 17:10:15 -0400
From: Ben Bradley <bradley@norcross.mcs.slb.com>
To: boatanchors@theporch.com
Subject: Cleaning radios and tubes
Message-ID: <3.0.32.19970911171014.0098b4e0@norcross.mcs.slb.com>

"Larry" <rau@wco.com> wrote:

> ...

>Take you tubes gently wipe them clean but only after you have written down
>the tube type.. as it frequently wipes off old tubes.. if it does use a
>permanent laundry marker to write the tupe type on the glass...you can also
>use these pens to write on metal chasis and it will come off again with

>isopropyl rubbing alky.

From my hard-earned tube-cleaning experience, I've learned not to wipe or touch areas where there is any kind of printing on the glass - I don't touch it at all. I've been amazed at how easily some of the markings come off, even after reading warnings here a year or so ago. I figure it's better to leave some dirt and dust on the type and brand name markings than to have to re-mark them. Doing this, I still get the dust off of 95% of the glass surface.

Ben Bradley, Design Engineer
Schlumberger MCS
snail: 3155-B Northwoods Parkway
Norcross, GA 30071-1576 USA
email: bradley@norcross.mcs.slb.com
voice: 770-368-3444 ext. 3191
fax: 770-840-8614

Date: Thu, 11 Sep 1997 18:26:08 -0300
From: laffitte@prtc.net (laffitte)
To: boatanchors@theporch.com
Subject: 390/390A most common componet /tube failures
Message-ID: <341861F0.4D6D@prtc.net>

Hi gang:

Thanks to those who responded to my proposal for making a list of the most common component and tube failures that those of us who have worked in the 390/390A receivers have found. If those interested send me the information, I will gladly put it all together by subchassis and radio type and place it here on this list. It will be a piece of information that will help all those restoring these receivers and maintaining them. Definitely, as Benjamin Hall wrote, the failures are not random and can usually be pinpointed to the same components of the different subchassis. Lets get this information together for the benefit of our 390s (As included of course).

TNX and best of 73s
Guido E. Santacana
BA collector in the tropics
San Juan, Puerto Rico

I have an I-177 Tube Tester for sale... pretty good condx... \$85.00 shipped CONUS.
72/73

QRP-ARCI #7663	G-QRP #6779	OK-QRP #172	QRP-L #758	
AdvRC #140	NORCAL #1779		NCDXF	SEDXC
Life Member:	ARRL	AMSAT	INDEXA	OCWA

"Think you can, think you can't: either way you're right!" Henry Ford

I'm looking for a NCX-A power supply to go with a NCX-3 xcvr. I'll discuss buying a NC-200 or NCX-5 with NCX-A if need be. I have a nice NCX-D power supply with original box for trade.

73, Niel - WA5VLZ, Rochester, MN

Date: Thu, 11 Sep 1997 19:33:24 -0400 (EDT)
From: RS2BK@aol.com
To: boatanchors@theporch.com
Subject: Hammarlund parts wanted
Message-ID: <970911193247 1795628622@emout19.mail.aol.com>

looking for SP-210x/BC-1004 band switch knob (these rcvrs cover 540khz to 20mhz). Also looking for the audio driver xmfr.

Tks, Jim w9ud

Date: Thu, 11 Sep 1997 19:36:17 -0400
From: "Ornitz, Barry L" <ornitz@eastman.com>
To: "'Boatanchors@sco.theporch.com'" <Boatanchors@sco.theporch.com>
Cc: "'ornitz@tricon.net'" <ornitz@tricon.net>
Subject: Minor correction on cleaning Boatanchors
Message-ID: <c=US%a=_%p=Eastman%l=NTD150-970911233617Z-10879@ntd150.kpt.emn.com>

The advice everyone gave on cleaning old radios was excellent. I only have a relatively minor chemistry correction. Alcohols like methanol, ethanol, and isopropanol are not aromatic hydrocarbons. However it is best if you avoid getting ANY organic solvent around electrolytic capacitors. This means Caig Deoxit too! Actually simple alcohols should do little permanent harm to an electrolytic but why take a chance? The point about rinsing is very well taken. Use distilled or deionized water. When lubricating mechanical parts or using contact cleaner like the Caig stuff, the key is to never overdo it. A little may be good, but too much is the opposite of much better. And by the way, since Caig went to dichloromonofluoroethane instead of Freon-TF in its formulation, you need to be careful when using it around plastics.

73, Barry L. Ornitz WA4VZQ
ornitz@tricon.net

Date: Fri, 12 Sep 97 00:01:07 UT
From: "Allan Fritsche" <fritsche@classic.msn.com>
To: boatanchors@theporch.com
Subject: Litz Wire Question.
Message-ID: <UPMAIL03.199709120003220013@classic.msn.com>

Hello Gang, was reading Terman's 1943 addition of the Radio Engineers handbook and this caught my eye.. He states that Litz wire with its higher Q is really only good up to 2 MCS.. Is that true are did later versions of the book change that fact.

It seems I have seen much higher resonance frequencies using Litz coil pie windings... Just Curious.

Also what in layman terms is unity gain..I would guess it to be constant loss or flat gain across a group of frequencies.

As you can tell I'am no EE.

Thanks Al

fritsche@msn.com

Date: Thu, 11 Sep 1997 19:10:07 -0500
From: "John Lockhart" <jlockj@minn.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: SP-200 S- Meter
Message-ID: <199709120011.TAA28379@t-rex.minn.net>

Anyone need an S-meter for a Hammarlund BC-779/SP-200??
It's in very good condition with the mounting hardware.
If you need one, let me know. (I'll swap for tubes.)

73,
John W0DC

Date: Thu, 11 Sep 1997 20:04:01 -0500
From: "Chuck (Jack) Hawley" <c-hawley@uiuc.edu>
To: fritsche@classic.msn.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Litz Wire Question.
Message-ID: <34189500.6BC4E5C6@uiuc.edu>

Allan Fritsche wrote:

> Hello Gang, was reading Terman's 1943 addition of the Radio Engineers
> handbook and this caught my eye.. He states that Litz wire with its
> higher
> Q is really only good up to 2 MCS.. Is that true are did later
> versions of the
> book change that fact.

Terman is still correct.

> It seems I have seen much higher resonance frequencies using Litz
> coil pie windings... Just Curious.
> Also what in layman terms is unity gain..I would guess it to be
> constant loss
> or flat gain across a group of frequencies.

It's a gain of one. In other words, no gain, and no loss. One.

--

Charles (Jack) Hawley
Chuck....Ham Radio KE9UW
AKA "Jack" BMW Motorcycles, MOA #224 K100RS
Wife rides...Viki, MOA #18120 K100RS
President IBMWR
c-hawley@uiuc.edu
Sr. Research Engineer Emeritus
University of Illinois, Urbana-Champaign

Date: Thu, 11 Sep 1997 18:23:01 -0700 (PDT)
From: tomrice@netcom.com (Tom R. Rice)
To: boatanchors@sco.theporch.com (boatanchors list)
Cc: glowbugs@www.atl.org (free glowbugs)
Subject: Re: C-W Xtals extends offer!
Message-ID: <199709120123.SAA21189@netcom10.netcom.com>

The following is forwarded from John Morris.
Please direct all replies and inquiries to
him at his new e-mail address; I'm just the
middle man!

73 de WB6BYH

> From: "C-W Crystals" <cwxtal@u-n-i.net> <==== Note new address
> Subject: Re: New e-mail address
> Date: Thu, 11 Sep 97 14:45:21 PDT
>
> OK FB TOM,
> I guess since I haven't had e-mail since the first, and I had extended the
> xtal offers till the 10th of Sept. since we had Labor Day.....I will
> extend the offer for another 10 days. If you could post that on boat
> anchors and glow bugs it would help me till I can get re-subscribed.
> I've started to get inquiries as to whether I'll still take the orders
> since they have been unable to get to me on e-mail.
>
> I still have one more load to haul up here from CW Crystals so maybe this
> weekend will finish it all up.
>
> 73 John
>
> John Morris
> C-W CRYSTALS (Formerly Phoenix Crystals)

> 1714 NORTH ASH ST.
> NEVADA, MO 64772
>
> Phone: (417) 667-6179
> FAX: (417) 667-6169
> E-mail: cwxtal@u-n-i.net
>
> Supplying custom crystals for Vintage Equipment, QRP'ers, Amateurs, and
> Experimenters since 1933.
>

-----end of forwarded message-----

Be Alert! America Needs More Lerts!

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

Date: Thu, 11 Sep 1997 21:59:08 -0700

From: Glenn Finerman <glennfin@mjet.com>

To: boatanchors@theporch.com

Subject: Vibroplex

Message-ID: <3.0.3.32.19970911215908.0068b214@mjet.com>

Hello dah-ditters. I am in the process of restoring an older Vibroplex bug and I need some parts. Does Vibroplex sell replacement parts? Anybody have their phone number and or E-mail address?

Thanks....

73.....Glenn N2BJG glennfin@mjet.com

Owner/operator of the N2BJG 10 meter beacon 28.217mhz
24 hrs 7 days....PLEASE QSL!!!!.....

Date: Thu, 11 Sep 1997 22:54:40 -0400

From: don merz <71333.144@compuserve.com>

To: boatanchors@theporch.com

Subject: Sig Gen, Counter, Misc FS

Message-ID: <199709112257_MC2-2020-F00@compuserve.com>

Test Gear, Miscellaneous & Literature FS

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.

412-234-8819 (weekdays, EST or leave a message anytime).

71333.144@compuserve.com

Western Electric 61B Signal Generator. This is a fine test instrument that works perfectly. It generates sine wave output into either unbalanced 75 ohms or balanced 110 ohms. It also generates a 15.75kc video output with adjustable width and amplitude for both sync and picture. Sine wave output is precisely attenuated from +10dbv to -50dbv in 1 dbv steps. Sine wave output has pushbutton-selectable fixed frequencies of 5kc, 10kc, 25kc, 50kc, 75kc, 100kc, 150kc, 200kc, 250kc, 2mc and 4mc. Sine wave output is also tunable from 300kc through 10mc in 5 bands with a direct readout on an illuminated dial. This is a large unit about the size of an HP 606. It comes in a gray metal cabinet with a handle and a snap on cover that covers the front panel. The front panel is excellent and the cabinet is very good. Has 1981 calibration tags. All 16 tubes test good--a strange mix of octals and miniatures. \$40

General Radio Type 1150-BPH Digital Frequency Meter. This counter only seems to count up to 1.8mc. After that, it gets confused. Has variable display time and trigger level and internal 100kc test. Variable counting time from .01 sec to 10 sec. Uses a Nixie-tube-like readout with white numerals about the same size as the nixie readout on the HP5245L counter. 19" rackmount 3.5" high. A bit dirty but with hardly a mark on it anywhere. All original. Working up to 1.8mc. \$25

Military Handset H-94/U. This is the one with the butterfly switch on the handle and 2 separate plugs--one for mic and one for phone. Should work with GRC-9, BC-1306, BC-100,0 etc. Some scrapes but overall good condition. 1952 US Signal Corps contract date. \$14

LITERATURE

Vanguard Model 407 Converter/Dual-gate MOSFET preamp original instruction sheet: Free to good home with owner's notes.

Precision Apparatus TV-1 and TV2 High Voltage Multiplier Probe instruction sheet. \$4

Precision Apparatus "Servicing By Signal Substitution." This 100 page booklet supplements the manual for the precision E-400-C signal generator. But it is a pretty worthwhile read for anyone interested in practical troubleshooting. \$9

Lefax data sheets on everything from amplifiers to short wave receivers to house wiring. All in very beat up leather "book."

Quite useful. Most dated 1951-56. \$7/all
MacKinnon, Edward G., VHF Ham Radio Handbook, Tab Books,
1968. 175 pages. A mix of tube and transistor designs. \$7
Jessop, G.R., VHF-UHF Manual, RSGB, 1969. Content is very nicely
covered in about 200 pages. \$9

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Date: Fri, 12 Sep 1997 00:01:48 -0400
From: Ed Tanton <n4xy@bellsouth.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Cc: boatanchors@theporch.com, homebrew@qsl.net, tentec@akorn.net
Subject: F.S. Hitachi LCD Portable 'Scope
Message-ID: <3.0.1.32.19970912000148.00abc350@mail.atl.bellsouth.net>

Hi All... I have a little used Hitachi VC-5025A LCD Oscilloscope for sale. Bought new (by me) for \$1154.75 in 1994, it has seen VERY little actual use (< 2 hours total.) It has a roughly 4" blue on gray backlit screen, operates on D-cells or a built-in Ni-Cad Pak, and a black canvas carrying case with more velcro flaps than I have ever seen in my life. It is 20MHz, dual channel, with intelligent control. It is the only LCD portable 'scope I have seen that operates more like a 'regular' scope, control-wise. It also has a DVM mode, as well as RS-232 serial bus data analysis functions (I've personally never used 'em.) Comes with 2 scope probes and a DVM probe set. Cabinet size is (guessing) about 5 inches high x 14 -16 inches wide x 14-18 inches deep.

I caught a VERY good deal on a new Fluke 97 or I would not consider selling it.

Price is \$550 plus shipping.
72/73

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663	G-QRP #6779	OK-QRP #172	QRP-L #758	
AdvRC #140	NORCAL #1779		NCDXF	SEDXC
Life Member:	ARRL	AMSAT	INDEXA	OCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography

CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!"      Henry Ford  
~~~~~

End of BOATANCHORS Digest 1667

>From ???@??? Sat Sep 13 11:37:53 1997
Message-Id: <199709130223.VAA12436@sco.theporch.com>
Date: Fri, 12 Sep 1997 21:23:15 CDT
Subject: BOATANCHORS digest 1668

BOATANCHORS Digest 1668

Topics covered in this issue include:

- 1) 7094 tubes???
by "Larry Johnson" <k5yf@wt.net>
- 2) Wanted: RAK Manual
by "Frank R. White" <frw@gvi.net>
- 3) Re: Mil Stuff for sale
by "ro" <otterstad@inet.uni-c.dk>
- 4) Help: B&W Little Dipper
by Bill Meara <wmeara@erols.com>
- 5) WOW! What a catalog!!!
by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 6) RE: RAS-5 data, fix
by marty@aa4rm.radio.org (locale for Marty Reynolds)
- 7) Re: Vibroplex
by jproc@bellglobal.com (Jerry Proc)
- 8) R220/URR info
by Reid Wheeler <reid@olywa.net>
- 9) Looking for R4B/C
by john <johnmb@mindspring.com>
- 10) NN50CIA Contacts?
by "Nagle, Timothy E" <Tim.Nagle@UNISYS.com>
- 11) Lysco 600 tested; mauual needed, etc.
by W0AH@aol.com
- 12) Re: AN/PRM-10 Grid Dip Meter
by Ken Gordon <keng@uidaho.edu>
- 13) Rack history
by William Donzelli <william@ans.net>
- 14) Re: Schematic Drawings
by Ken Gordon <keng@uidaho.edu>
- 15) Re: R390A Diversity Operation

- by David Medley <davemed@worldnet.att.net>
- 16) Re: "BA" net activity
by Ken Gordon <keng@uidaho.edu>
 - 17) For Sale, HRO with all coils
by W B Reese <Radions@jps.net>
 - 18) ET-4336 hf tx for sale/swap
by BEN NOCK <G4BXD@compuserve.com>
 - 19) Re: "BA" net activity, an apology...
by Ken Gordon <keng@uidaho.edu>
 - 20) Fw: Re Cleaning
by "Larry" <rau@wco.com>
 - 21) FREE MANUAL COPIES
by arc5@ix.netcom.com
 - 22) INFO...
by Ken Gordon <keng@uidaho.edu>
 - 23) wtb Junker HQ-129X
by Eugene Rippen <soundval@foothill.net>
 - 24) Need BC-221 Info
by Dexter Francis <cwest@xmission.com>
 - 25) Manuals gone
by arc5@ix.netcom.com
 - 26) They don't understand boatanchors
by "Larry Johnson" <k5yf@wt.net>
 - 27) Wanted--R-390A in or around Portland, OR
by Larry Shorthill <kodiak@atheria.europa.com>
 - 28) Question on replacing filter capacitors
by Dennis Gibbs <dgibbs@Rational.COM>
 - 29) Re: Question on replacing filter capacitors
by jackiv@juno.com (John M Iverson)

Date: Fri, 12 Sep 1997 05:51:15 +0100
From: "Larry Johnson" <k5yf@wt.net>
To: "boatanchors" <boatanchors@theporch.com>
Subject: 7094 tubes???
Message-ID: <199709120545.AAA04764@pan.wt.net>

Anybody know where I might be able to find a couple? And what kind of price I might be looking at?

Larry Johnson
Internet: k5yf@wt.net
Houston, TX

Date: Fri, 12 Sep 1997 00:57:22 -0700
From: "Frank R. White" <frw@gvi.net>
To: boatanchors@theporch.com
Subject: Wanted: RAK Manual
Message-ID: <3418F5E2.378A@gvi.net>

Hello BA gang,

I need a manual for the RAK-7. Would prefer an original but certainly would settle for a copy.

Will trade or purchase.

Please email me direct.

Thanks,

Frank
W0BE
frw@gvi.net

Date: Fri, 12 Sep 1997 10:23:27 +0200
From: "ro" <otterstad@inet.uni-c.dk>
To: <kc5ijjd@sprintmail.com>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Mil Stuff for sale
Message-ID: <199709120824.KAA17082@inet.uni-c.dk>

Ragnar Otterstad
email : otterstad@inet.uni-c.dk

German WW2 field telephone FF33. 100 dlrs each ex Copenhagen

73 Rag OZ8R0

Date: Fri, 12 Sep 1997 06:24:15 -0400
From: Bill Meara <wmeara@erols.com>
To: boatanchors@theporch.com
Subject: Help: B&W Little Dipper
Message-ID: <199709121026.GAA08602@smtp2.erols.com>

Anchorologists: I picked up a very nice Barker and Williamson "Little Dipper" Dip oscillator at the Gaithersburg Hamfest. Unfortunately the one coil that I really needed was not there. I suspect that this might be the kid of item that is lurking in someone's junkbox. Before I convert one of the VHF coils into a 2-4 Mhz coil, I thought I'd ask the group if anyone has one sitting around.

I'm looking for the 2-4 Mhz plug in coil.

73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Fri, 12 Sep 1997 04:32:20 -0600
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
To: BoatAnchors <boatanchors@theporch.com>
Subject: WOW! What a catalog!!!
Message-ID: <34191A2F.6920@lobo.net>

What a catalog!!!

This is not a commercial announcement..really.

It is, however, an advisory that Surplus Sales of Nebraska has FINALLY published and mailed their catalog, and what a catalog it is! If you are into rig building, repairing, or just like to turn pages and dream, while you're slathering over vacuum variables, rotary inductors, tubes of all sorts, this is for you.

So, if you don't already have yours, find it in QST or go to their web page: www.surplussales.com and get the details. Punch a hole in the corner and hang it you-know-where for some great reading.

But beware: the prices are unbelievably high; this should make us all feel quite comfortable to have the wonderful spirit of swap/sell for the things we require for our avocation. at affordable prices... I'll never grumble at flea market prices again..and I'll always be most appreciative of the response here on BA for my request for vernier dials from the old BC 375 TU for a linear I'm building..I recently sent a pair of 3-400Zs to Australia for peanuts, given away the guts of a 312B-5..et nausea, as you all have done.

But do get this catalog, if only to slather..

Herb Rosenthal W5AN
herbrose@lobo.net

Look at the price for R-390 meters..but they ARE there in the catalog

Date: Fri, 12 Sep 1997 09:48:22 -0400
From: marty@aa4rm.radio.org (locale for Marty Reynolds)
Cc: boatanchors@theporch.com
Subject: RE: RAS-5 data, fix
Message-ID: <199709121348.JAA17034@aa4rm>

Russell you said....

] Hollowstaters,
]
] Picked up a complete RAS receiver at the AWA meet. Need help on:
]
] 1) Looking for a manual / copy for the RAS.
]
] 2) The main tuning knob is pressed against the front panel. How do
] you remove the tuning knob? There is a set screw in the knob which
] apparently locks the tuning knob to the shaft from the gear mechanism.
] loosening the screw does not allow any movement of the knob position
] in relation to the front panel. Any National experts out there?
]

I have a RAS-5 w. manual copy here. And I sweat bullets removing that
HRO 'PW' knob myself

Wound up prying the flange up with three shallow ramp wedges to
no avail. Finally drilled the knob's front, lubed the shaft, heated with a
250W Weller, applied the wedges & pop - voila. Epoxy blob cured the front
knob hole & the thing is back happy again.

Get any other responses?

Marty

Say this Navy HRO is an OK RX up to 40 but that 175kc IF makes it image
city beyond.

I have fun telling folks the only other identifiable RAS-5 location is the
USS Arizona's radio room

Date: Fri, 12 Sep 1997 10:18:59 -0400
From: jproc@bellglobal.com (Jerry Proc)
To: glennfin@mjet.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Vibroplex
Message-ID: <34194F53.7CC@bellglobal.com>

Glenn Finerman wrote:

>
> Does Vibroplex
> sell replacement parts? Anybody have their phone number
> and or E-mail address?

Glen,

The Vibroplex web site URL is : www.vibroplex.com
E-mail: w4oa@vibroplex.com

Regards,
Jerry Proc VE3FAB
jproc@bellglobal.com
HMCS HAIDA Naval Museum, Toronto Ont.

Date: Fri, 12 Sep 1997 07:34:34 -0700
From: Reid Wheeler <reid@olywa.net>
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>
Subject: R220/URR info
Message-ID: <01BCBF4E.6C11EE40@bob11.olywa.net>

One of my English correspondents has acquired an R220/URR VHF receiver (20-237MHz in 7 ranges, AM/FM/CW - and with a prodigious (40) number of T3 subminiature wire-lead tubes) who is curious about the relative rarity, reliability, quality, serviceability, etc. of what is apparently a high-quality looking piece of equipment. And who designed/manufactured the unit?

Candid responses are encouraged. I'll summarize them and mail them back to him (not an e-mail client).

Thanks to all,
Reid

Date: Fri, 12 Sep 1997 11:13:32 -0400
From: john <johnmb@mindspring.com>
To: boatanchors@theporch.com
Subject: Looking for R4B/C
Message-ID: <199709121517.LAA27098@brickbat9.mindspring.com>

Title says it all.... I'm looking for a clean R4B or C, or possibly interested in a T4/R4x combo. Please advise cost and accessories (filters, etc etc) if you'd have one for sale.

Thanks very much,
/John

Date: Fri, 12 Sep 1997 10:29:37 -0600
From: "Nagle, Timothy E" <Tim.Nagle@UNISYS.com>
To: "'Old Tube Radios'" <boatanchors@theporch.com>
Cc: "Nagle, Timothy E" <Tim.Nagle@UNISYS.com>
Subject: NN50CIA Contacts?
Message-ID: <c=US%a=ATTMAIL%p=UNISYS%l=RV_EXCHANGE_-970912162937Z-16777@slc-exchange-1.slc.unisys.com>

Has anyone made contact with the special event station NN50CIA?
If so, can you tell me if they have a schedule or the times you made contact? I have the list of frequencies.
I've been listening to SSB mostly, but have tried CW a few times.
No luck either place. The month is about half over and I would like to make contact with them.

Thanks

Tim

Tim Nagle
KB0QOM
timothy.nagle@unisys.com
(612) 881-4648 (home)
(612) 687-2940 (work)

Date: Fri, 12 Sep 1997 12:38:19 -0400 (EDT)
From: W0AH@aol.com
To: boatanchors@theporch.com

Subject: Lysco 600 tested; mauual needed, etc.

Message-ID: <970911171955_228357973@emout05.mail.aol.com>

Yesterday, I washed up the 1951 Lysco with soap and water and some anti-oxidant spray. All the components look original. None looked obviously bad except for a slow bow 5A fuse in the fuse holder which was blown.

Ominous? I substituted a regular 3A fuse for the following.

With a multimeter I checked the two transformers. They seemed neither open nor shorted. Onward! I checked the tubes, and they seemed OK. Soo with the tubes out, I hooked her up to about 35 volts with a 40 watt lightbulb in series. I was getting both filament voltages and HV AC. I let her cook for a while then added the 5U4. Now I had some DC (when I figured that a relay that needed to close, wasn't) and I let the caps reform, gradually increasing the AC primary voltage to 50.

Things looked OK, but I found I had no B+ on the 807 final.

I think I better put the project on hold until I get a manual or at least a schematic. Can anyone help?

Also need a manual for the Galaxy V Mk3. I have a manual for the Galaxy V and have a Galaxy V on the air. It works great. (Where do the SSB boatanchor gang meet?) The MK 3 has different finals, 6LB6's, and runs 25% more power than the Galaxy V.

Another project was to get my 1953 Elmac PMR-6A working. When my 1937 National 101X started smoking, I had incentive. The PMR-6A cleaned up very nicely and, with a modification of a Multi Elmac PS, I was able to fire her up, bringing the voltage up slowly, as always. It's a neat little 10 tube, double conversion receiver. It's more selective than the 7 tube Halli S-20R, I had been using, but maybe not as good as the National 101X that I was going to use (another project!). Now, I actually have to TUNE to hear both the 3880 and 3885 QSOs! Unfortunately, the Elmac AF-67 PS would be overloaded when powering both the AF-67 and PMR-6A, so another project is to build a PS for the receiver unless someone out there has the Elmac PMR-6A PS for sale. The static is diminishing. I'll be on 3880 or 3885 with a B&W 5100B and PMR-6A evenings. Am working DX on 40M and 160M CW, but that's another story.

Doug W0AH ex-W2CRS Colorado

Date: Fri, 12 Sep 1997 10:06:32 -0700 (PDT)

From: Ken Gordon <keng@uidaho.edu>

To: Tom Kelly <tjkelly@apk.net>

Cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: AN/PRM-10 Grid Dip Meter

Message-ID: <Pine.BSF.3.95.970912100417.17779C-100000@piobaire.mines.uidaho.edu>

On Mon, 8 Sep 1997, Tom Kelly wrote:

> Greetings,
>
> I picked up a clean, five tube grid dip oscillator, known to the army as
> an AN/PRM-10 test oscillator (made by Stamford Electronics) at the
> Butler, PA hamfest. I have requested the TM from the local library, so
> I have that base covered. It's an impressive looking unit and I was
> wondering if anyone on the list has any experience with it and could
> comment on it.

Yes. I have one (if I can find it). It is an excellent grid-dip/field strength meter. It uses a 955 acorn tube as the oscillator tube. It can even be modulated with a carbon mic for a low power ALL band transmitter. I also has a jack for a set of headphones and all the coil sets are carried in the small, very sturdy case. The case has a large, comfortable handle on it.

Ken

Date: Fri, 12 Sep 1997 13:43:20 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: boatanchors@theporch.com
Subject: Rack history
Message-ID: <Pine.GS0.3.96.970912134037.1314Q-100000@titan.purch.ans.net>

I am looking for some history behind everyone's favorite bit of BA (and general lab) gear, the standard 19" equipment rack. Can anyone tell me the specific origins of the beasts (from WE, many moons ago), how they came up with the standard spacings, etc.

Thank you.

William Donzelli
william@ans.net

Date: Fri, 12 Sep 1997 10:42:42 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: "Roberta J. Barmore" <rbarmore@indy.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Schematic Drawings
Message-ID: <Pine.BSF.3.95.970912102956.17779I-100000@piobaire.mines.uidaho.edu>

> But IMO, it's A) a bit of overkill for ham apps and B) no substitute
> for knowing how to lay out schematics properly in the first place.

Absolutely!

>
> All CAD will do inherently is standardize your symbols and draw nice
> straight lines; it won't make a hard-to-follow layout any better and since
> most versions in common use support *one* (1) line width, it can be more

This is not necessarily so. If you can get a copy of GenericCad (now owned by AutoDesk), it will do everything you can do by hand. Various line widths, humps and dots of various sizes. You can "create" "symbols" i.e. tubes, ohm symbols, various electronic components, very easily, keep them in a special "Components" list and use them any time you wish. The program will also automatically make up a Parts List for you, as you draw. If you have a color printer (HP CS-870 at about \$400) you can very easily print multicolored schematics, which, to my mind, make it MUCH easier to trace circuits out in large schematics.

Everything else Bobbi says about knowing HOW to draw a schematic is actually more important than the CAD features I have mentioned above however.

CAD programs are nothing more than a tool. If you don't know how to use your tools, no matter how expensive or capable they are, your result will be poor.

I use GenericCad to draw my schematics since I find it to be MUCH faster and actually more accurate than my old pencil-and-ruler method, and the final copy is MUCH easier for me to follow, although I still keep all my drafting tools for when the stupid 'pooter craps out.

BTW, if you use a computer, you have to remember that the stupid things are made out of rocks and oil...remember the old saying, "...dumber than a rock...?"

Ken W7EKB

Date: Fri, 12 Sep 1997 11:10:07 -0700
From: David Medley <davemed@worldnet.att.net>
To: Al Klase <skywaves@bw.webex.net>
Cc: collins@listserv.tempe.gov
Subject: Re: R390A Diversity Operation
Message-ID: <3.0.3.32.19970912111007.00e68f10@postoffice.worldnet.att.net>

Hi Al. Following your instructions I have got some interesting results. I have hooked up a Collins R390 and a Motorola R390A as a space diversity system with two antennas. One is a vertical and the other a random wire mostly horizontal about 100 feet apart. I found the adjustment of the gains of each receiver to be not as critical as I thought it might be but nevertheless it has to be done. I also found using one speaker only with one audio gain turned off is best although some interesting stereo effects can be made using both audios.

I also found using fast AGC on both receivers was better especially during deep fades when slower AGC tends to cause the radio with the bad signal to "hang" and increase the noise level some.

Thanks for the help Al.

For others who may be interested here are Al's instructions:

<excerpt> Two R-390 family receivers can be used for diversity reception without an external combiner by making the following connections:

1. Move the rear-panel AGC-NOR jumpers on both receivers to the AGC-DIV position.
2. Interconnect the AGC terminals on both receivers.
3. Interconnect the DIODE LOAD terminals on both receivers.

THATS IT!

Turn the RF GAIN on one receiver all the way down to disable it while you tune the other RX (and *vice versa*).. Return both gain controls to max. The receiver getting the strongest signal will display the signal strength on the CARRIER meter. The other receiver will be disabled by the AGC signal from the first receiver and its CARRIER meter will read zero. Reduce the RF (or IF) gain on the active receiver to equalize the signal strength in both sets. You'll see the CARRIER meter on the alternate RX come up when the signal fades on the first RX.

For space diversity (both RX's tuned to the same frequency) you'll

need two antennas. Commercial/military practice is to locate the antennas a couple of wave lengths apart, but any two antennas, e.g. two random wires at right angles, will give worthwhile results.

For frequency diversity you only need one antenna. I've tried this on the BBC, but there are usually considerable path differences from the various transmitter sites. So the signals may be out of synch by a couple of seconds. This technique is probably only applicable to co-located transmitters.

Diversity is a worthwhile technique for dealing with selective fading, and can greatly enhance program enjoyment for SWL's. Diversity R-390's work considerably better than a single modern receiver with a synchronous detector.

</excerpt>

Date: Fri, 12 Sep 1997 11:22:03 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: k7sz@juno.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: "BA" net activity
Message-ID: <Pine.BSF.3.95.970912111835.17779S-100000@piobaire.mines.uidaho.edu>

> >40 meters seems to be becoming a popourri of modes this past summer.
> >We have experienced very heavy SSB QRM (Several times invited in
> >English to "QSY to CW band!" by Spanish speaking stations!
>
> I have noticed a MASSIVE increase in Spanish SSB QRM. This seems to be a
> growing trend, and not what I would consider a "good" trend at that.

Time to fire up the BA KW rigs ????

>
> >The digital users seem to be migrating down the band as well and can be
> heard >almost down to 7025 with various AMTOR/PACTOR modes.
>
> Makes me want to sell the radios and take up stamp collecting.
>

only to UK members due to weight.

I would either sell or swap, whatever.

Ben G4BXD@compuserve.com

Date: Fri, 12 Sep 1997 12:23:17 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: Re: "BA" net activity, an apology...
Message-ID: <Pine.BSF.3.95.970912122027.17779i-100000@piobaire.mines.uidaho.edu>

> >The digital users seem to be migrating down the band as well and can be
> heard >almost down to 7025 with various AMTOR/PACTOR modes.

>

> Makes me want to sell the radios and take up stamp collecting.

>

> Why don't a few fellows with high power make it a practice to work the
> QRP guys on 7040. If we could keep this up for a year or so, perhaps
> things would change. Since they won't listen to reasonable discussion,
> may be "passive resistance" is necessary as the next step?

This was a STUPID statment on my part and I humbly apologize to anyone who
was offended by it. I am truly sorry.

Ken W7EKB

(Exit left, head hanging in shame.....)

Date: Fri, 12 Sep 1997 13:55:32 -0700
From: "Larry" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Fw: Re Cleaning
Message-ID: <199709121958.MAA05668@shell.wco.com>

Bob makes a good point here, my eraser pencil is grey and I use it on about
a once in 20 years cycle.. and also I tend to use it judiciously anyway..

but a word to the wise bob has a good point.. either don't do it unless
normal cleaning techniques have failed, or don't do it at all ! The value
of the radio is part of the equation too as well as the impossibility of
replacemnt or repair... and we all know a bandswitch is the last thing we

want to replace.. larry rau W6WUH

> From: Bob Miller <bob.miller@smud.org>

> To: rau@wco.com

> Subject: Re Cleaning

> Date: Friday, September 12, 1997 8:56 AM

>

> Hi larry,

> read you clean 'em up article on the boatanchor archives and want to
> commend you on the well written and concise procedures. There is one
> item that you may want to revisit--using a pencil eraser to clean
> contacts. Depending on the plating, the abrasive nature of pencil
> erasers, even the simple pink pearl types, will virutually strip the gold
> flasing from a rotary switch or edge connector flag in very short order.
> Other contact plating or flashings such as rhodium and silver, may hold
> up to the tortures of the eraser a bit better, but having had to manage
> the rebuilding program of a GE FDM multiplex system that was virtually
> destroyed in less than 5 years of pencil eraser cleanings and
> "Reseatings" made me very sensitive to the "Eraser" Bad tool! If the
> switch contact is silver plated and black, just leave it alone. If the
> contact is worn through to the base metal, then I guess it does not
> matter, it's worn out and will continue to cause noise and trouble short
> of selective plating or contact/switch replacement.

> I am not on the boatanchors list server, but do read the archives from
> time to time. Happy radios

>

> bob, KE6F

> bmilller@calweb.com

Date: Fri, 12 Sep 1997 15:37:03 -0500 (CDT)

From: arc5@ix.netcom.com

To: boatanchors@sco.theporch.com

Subject: FREE MANUAL COPIES

Message-ID: <1997912153623641@>

These manual copies free to anyone who will pay the
\$3 shipping:

AN/ARC-2 Transceiver

AN/ARR-2 Navigation Receiver

ZB-3 WW-II Navigation Converter

Multiple requests decided by best story,
youthful collector request or lottery.

73 DE Dave Stinson AB5S

arc5@ix.netcom.com

Date: Fri, 12 Sep 1997 14:15:09 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: boatanchors@sco.theporch.com
Subject: INFO...
Message-ID: <Pine.BSF.3.95.970912140942.21087A-100000@piobaire.mines.uidaho.edu>

Anyone know what a GE model GL-434A tube is and could furnish me with specs.?

I was given 3 of them, all damaged in one way or another. They are an external-anode type of tube. The radiators are about 3" in diameter and about 4" long. The tubes have glass bases and 6 pins arranged in a circle. One pin is larger in diameter than the rest. Two of them have the number 1E37 painted on the anodes.

I am just curious.

Oh, BTW, are the jackets made of beryllium-copper ? (So I will know not to grind, file or drill them.

Ken W7EKB

Date: Fri, 12 Sep 1997 14:20:56 -0700
From: Eugene Rippen <soundval@foothill.net>
To: baswaplist@foothill.net
Cc: boatanchors@theporch.com
Subject: wtb Junker HQ-129X
Message-ID: <3419B238.68A9@foothill.net>

I would like to get a junker HQ-129X that has the original knobs.

Need the knobs.

I will be at Foothill tomorrow, if that helps.

Gene

Date: Fri, 12 Sep 1997 17:01:14 -0600
From: Dexter Francis <cwest@xmission.com>
To: boatanchors@theporch.com
Subject: Need BC-221 Info
Message-ID: <3419C9B8.406D@xmission.com>

Greeitngs all -

I'm trying to figure out what the enclosure differences are between the BC-221-AA and AL. I have an AA unit and an AL case, and the small spinner knob on the frequency adjusting knob interferes with the cover that protects the manual - which is mounted to the inside of the door.

Did the AL's use a frequency adjustment knob that didn't have the "necker knob"?

-df

BTW - I added about half the 6 series tubes to the website today, so the "6" link is active now.

-----Visit our Web site at-----
↑↑↑↑↑↑↑↑↑↑ http://www.xmission.com/~cwest/
 or e-mail to: tubes@usa.net
↑

Date: Fri, 12 Sep 1997 18:13:20 -0500 (CDT)
From: arc5@ix.netcom.com
To: Boatanchors@sco.theporch.com
Subject: Manuals gone
Message-ID: <1997912181250641@>

Manuals have all found homes. Thanks.
73 Dave AB5S

Date: Fri, 12 Sep 1997 23:33:42 +0100
From: "Larry Johnson" <k5yf@wt.net>
To: "boatanchors" <boatanchors@theporch.com>
Subject: They don't understand boatanchors
Message-ID: <199709122327.SAA18077@pan.wt.net>

Oh brother. This showed up in my mailbox, and I couldn't figure out for the life of me why somebody was sending me advertisements for a folding bicycle for my "boat"...which needless to say I don't own. Then it hit me....

Larry Johnson
Internet: k5yf@wt.net
Houston, TX

-----Original Message-----

From: caribike@www.redlof.com.tw <caribike@www.redlof.com.tw>
To: k5yf@wt.net <k5yf@wt.net>
Subject: <http://www.caribike.com/cnt.asp?url=7>

Larry,

A folding bike for your boat.

<http://www.caribike.com/cnt.asp?url=7>

Beatrice Chen
CARiBIKE USA INC.

Date: Fri, 12 Sep 1997 16:48:43 -0700
From: Larry Shorthill <kodiak@atheria.europa.com>
To: boatanchors@theporch.com
Subject: Wanted--R-390A in or around Portland, OR
Message-ID: <3419D4DB.D61@mail.europa.com>

Well, if you all will pardon me for using the list as a forum for buying and selling just this one time, I would like to give an R-390A a new home. Actually, I am willing to give part of one a new home, if I can't find a complete unit. I recently bought a checked one from Fair Radio (with meters/covers) and I haven't yet tackled the thing. Something rattles around a lot when I turn it over, etc. and I suspect a nut or broken component or broken slug, etc. I'll find out soon enough as the weather turns bad enough around here that I can justify spending rainy evenings working on it.

In the meantime, I am trying to find spares for mine (partial unit as noted above), or a brother for it that works well, etc. My only request is that I can get a complete unit close in to Portland or the nearby vicinity--say Seattle to Eugene/Corvallis. Anybody out there with something that might interest me? I only want R-390A version stuff since I don't want to have too many variations to work on--I can only handle 10 or 15 projects at a time.

Spare modules or misc parts that can be easily shipped from around the country are OK. I just don't want to have to deal with a whole radio coming via UPS again.

Alternatively, does anyone have anecdotal experience with the \$125 units that Fair has? I recall that these are pretty rough, but the guys at Fair say they are cleaning up pretty well, with moderate effort.

Regards.

Larry Shorthill KC7ULI

Date: Fri, 12 Sep 1997 19:09:11 -0400
From: Dennis Gibbs <dgibbs@Rational.COM>
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>
Cc: "'dgibbs@rational.com'" <dgibbs@Rational.COM>
Subject: Question on replacing filter capacitors
Message-ID: <01BCBFAF.7B8929E0@dgibbs_pc.rational.com>

Greetings all,

I recently acquired an R-389/URR receiver which I suspect has a bad filter capacitor, C-101. The original capacitor is a 10uf 600 Volt electrolytic capacitor in a bluish-gray rectangular can.

I happen to have two 22uf 500 volt brand new electrolytic capacitors. I know that if I wired these in parallel, the result would be 11uf in capacitance, but what about the voltage rating? Would these two capacitors in parallel be good for 1000 volts, or would it still be 500 volts?

Also, someone suggested that if I do this it would be necessary to add resistors to "equalize" the load across each capacitor. I have four questions about this:

- 1) Is this really necessary?
- 2) If it is necessary, how many resistors are needed, one or two?
- 3) Do I wire the resistors across each capacitor, or what?
- 4) How do I determine the resistance and power rating of the resistors?

If anyone has any answers to these questions, it would really help me get this R-389 running well again.

Thanks in advance,

Dennis Gibbs
dgibbs@rational.com

Date: Fri, 12 Sep 1997 20:46:39 CDT
From: jackiv@juno.com (John M Iverson)
To: dgibbs@Rational.COM
Cc: boatanchors@theporch.com
Subject: Re: Question on replacing filter capacitors
Message-ID: <19970912.211935.3318.3.jackiv@juno.com>

i AM SURE DENNIS THAT YOU WILL GET MANY answers to this... parallel is "side by side" series is "one after the other"
When you parallel, the capacity adds, easy ? but when you series , if both are the same capacity the total is one half of the capacity shown on the units, when you series the two and being unequal capacity, the result will be much less than the larger.....Jack Iverson K0EWU

On Fri, 12 Sep 1997 19:09:11 -0400 Dennis Gibbs <dgibbs@Rational.COM> writes:

>Greetings all,

>

>I recently acquired an R-389/URR receiver which I suspect has a bad
>filter capacitor,
>C-101. The original capacitor is a 10uf 600 Volt electrolytic
>capacitor in a bluish-gray
>rectangular can.

>

>I happen to have two 22uf 500 volt brand new electrolytic
>capacitors. I know that
>if I wired these in parallel, the result would be 11uf in capacitance,
>but what about the
>voltage rating? Would these two capacitors in parallel be good
>for 1000 volts, or

>would it still be 500 volts?
>
>Also, someone suggested that if I do this it would be necessary to
>add resistors to
>"equalize" the load across each capacitor. I have four questions
>about this:
>
>1) Is this really necessary?
>2) If it is necessary, how many resistors are needed, one or two?
>3) Do I wire the resistors across each capacitor, or what?
>4) How do I determine the resistance and power rating of the
>resistors?
>
>If anyone has any answers to these questions, it would really help me
>get this R-389
>running well again.
>
>Thanks in advance,
>
>Dennis Gibbs
>dgibbs@rational.com
>
>
>

End of BOATANCHORS Digest 1668
